

Angel Ramos Foundation Visitor Center

History, Legacy and Impact

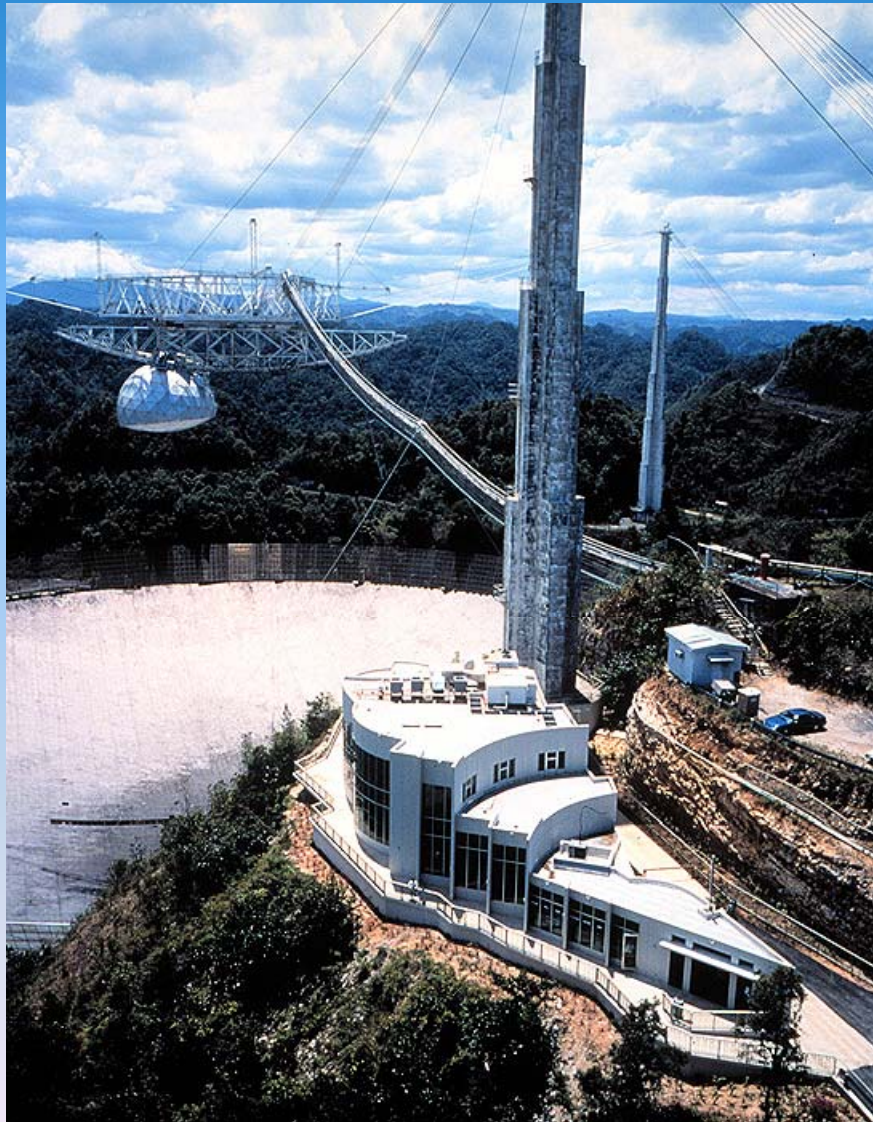
Héctor Camacho

April 17, 2009

2009 NSF Large Facilities Workshop

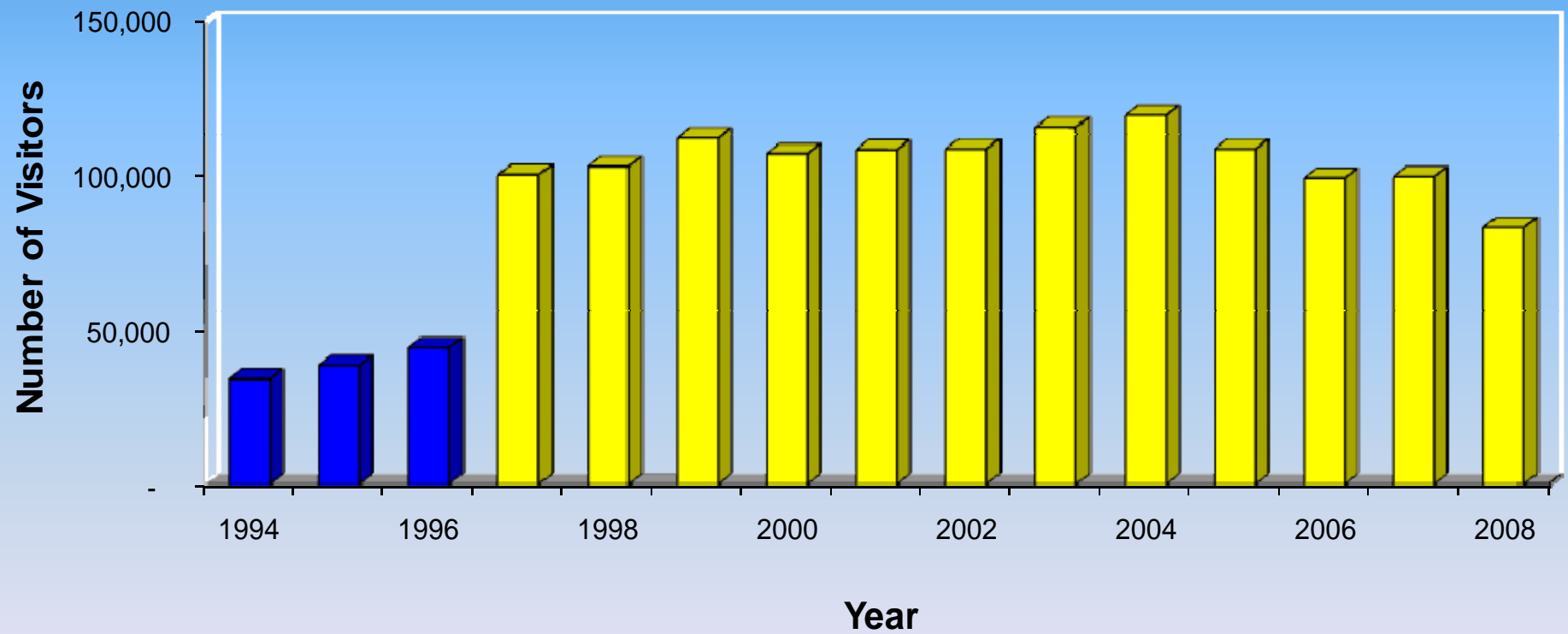
Tucson, AZ

The Angel Ramos Foundation Visitor Center



- **Visitor “1 million” reached in 2006**
- **300,000 school children since inception (this is about 50 % of the student population under the PR Dept. of Education)**
- **Over 1,000 teachers have participated in our educational programs**

Visitors per Year



School Visitation Program



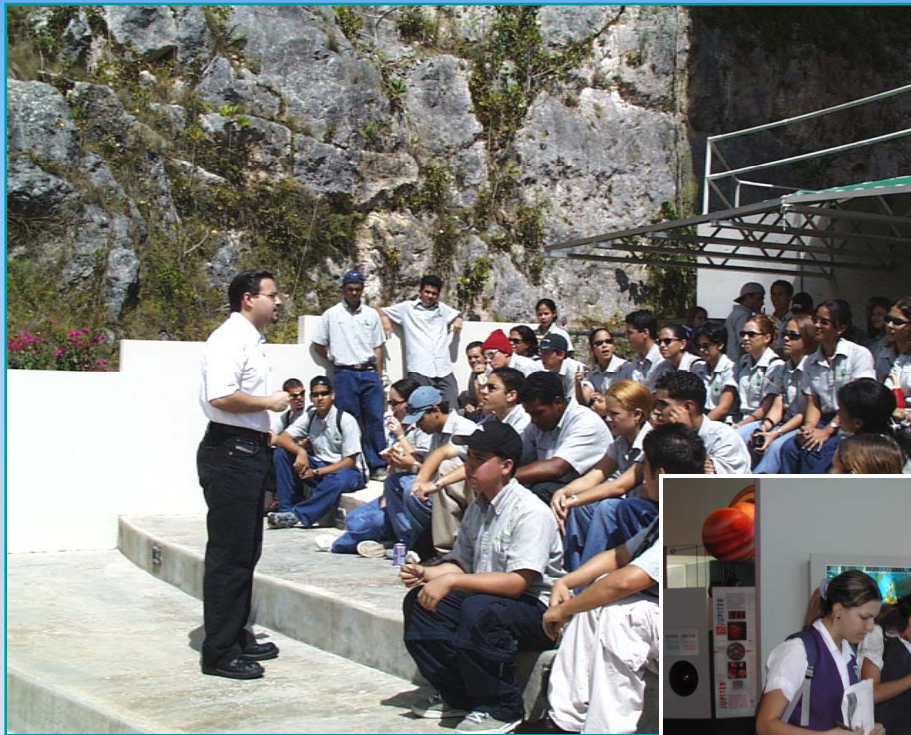
About 500 school groups participate every year.



The school visitation program allows school groups, from both public and private institutions, to visit the Arecibo Observatory and tour its Angel Ramos Foundation Visitor Center by appointment—during a reserved time period of 9am to 12noon.

Tour Guides Program

A collaboration with the University of Puerto Rico at Arecibo (UPRA) and Interamerican University



*About 15
undergraduates
participate every year.*



Teacher in Residence

A summer internship is awarded to a high school science teacher. The selected teacher participates in a research project and contributes to our outreach and Teacher Workshop activities.



*Rhonda Pérez
Elba Sepulveda
Myriam López
Betzaida Ortíz
Ernesto Estremera
José Gerena
Carlos Trinidad
Anaida Morales
Linda Santiago
Roberto Nieves*



Residential Teacher Workshops

Year	Theme	Number of Participants	Sponsor
1997	Astronomy	25	Department of Education
1998	Astronomy	30	UPR-CETP
1998	Weather/Atmosphere	50	Angel Ramos Foundation
1999	Weather/Atmosphere	50	Angel Ramos Foundation
2001	CBL and Graphing Calculator	50	Angel Ramos Foundation
2002	CBL and Graphing Calculator	50	Angel Ramos Foundation
2003	CBL and Graphing Calculator	50	Angel Ramos Foundation
2003	Geoscience	32	National Science Foundation
2004	Geoscience	32	National Science Foundation
2005	Geoscience	32	National Science Foundation
2005	Pseudo-science	25	NASA/PR Space Grant
2006	Pseudo-science	25	NASA/PR Space Grant

Arecibo Geoscience Project

100 participants
college, pre-college, teachers
\$593,000/3 yr (NSF – OEDG)



From Arecibo to the Universe

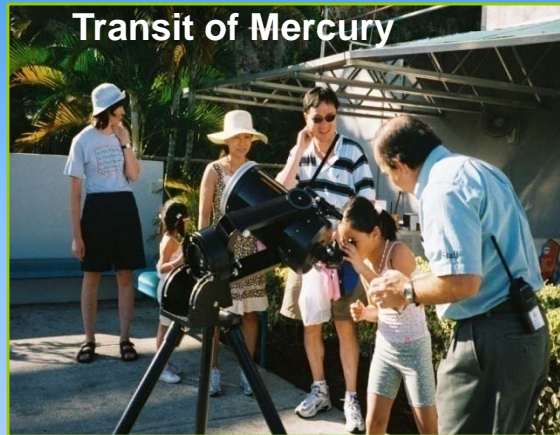
1 week residential summer camp in AO
25 middle school participants
\$ 20 K (UPR, NSF)



- ☐ Solar System
- ☐ Sunspots
- ☐ Galaxies
- ☐ Math Skills

Special Events

The Visitor Center sponsors a number of events for the AO staff, and the local community.



ASTRONOMY 2009

Sábado 18 de abril de 2009
5:00 PM - 9:00 PM

El Observatorio de Arecibo
y las Sociedades de Astronomía de PR y del Caribe

TE INVITA

A participar de las observaciones nocturnas
y charlas sobre tema de Astronomía,
que se llevarán a cabo en las facilidades del
Centro de Visitantes Fundación Angel Ramos.

Para más información, llamar al (787) 878-2612 ext. 312

Ven y comparte en familia.
TE ESPERAMOS

ENTRADA GRATIS



AO Infrastructure Support

ARF Learning Center



North Visiting Scientist Quarters



Cafeteria Expansion

INSPIRATION TO SCIENCE PROGRAM

- Contract between Cornell University and the Puerto Rico Department of Education (PRDE) for \$2.3MM.
- Offers the opportunity to visit the ARF Visitor Center free of cost to any K-12 groups on the Island.
- Science oriented lectures and workshops matched to the PRDE Science Standards of Excellence.



Programa Inspiración a las Ciencias
Observatorio de Arecibo
Centro de Visitantes Fundación Angel Ramos



Ofrece la oportunidad de visitar el Observatorio de Arecibo a 43,000 estudiantes por año

- Disponible para grupos escolares del Departamento de Educación y escuelas privadas participantes
- Transportación desde y hasta la escuela, provista por el Observatorio de Arecibo, libre de costo
- Para estudiantes matriculados en el año escolar y campamentos de verano
- Maestros, padres y miembros de la comunidad también participan

Libre de costo

Actividades educacionales estructuradas

- Exhibiciones científicas
- Vista exclusiva del radio-telescopio más grande del mundo
- Talleres y charlas interactivas, en tópicos de astronomía, ciencias atmosféricas e ingeniería, adaptadas a cuatro diferentes niveles de educación: K-3, 4-6, 7-9 y 10-12
- Materiales educativos para todos los participantes

Capacidad anual limitada
¡Haz tu reservación ya!
787-878-2612, ext. 346

Este programa es una colaboración entre la Universidad de Cornell y el Departamento de Educación de Puerto Rico, sufragado por el Programa Título V, Parte A-Programas Innovadores. El Observatorio de Arecibo es operado por la Universidad de Cornell bajo un acuerdo cooperativo con la Fundación Nacional de las Ciencias.

Future Endeavors

- New contract with PRDE for Teacher Training Seminars
- New movie
- Continuous shuttle access from parking area to ARFVC entrance
- Tram ride from ARFVC to under-dish area
- UPR COOP interns – provide guided tours and talks

1995



2002





"If you dream, have a big dream"

Dr. William E. Gordon

Founder of the Arecibo Observatory

on the AO 40th Anniversary Celebration, November 3, 2003